



CONSTRUCTION EQUIPMENT

SWA109498 USED EQUIP VOLVO L350H 1101 - DIESEL ENGINE



Sample No: VCP367682
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SWA109498 USED EQUIP



SAMPLE INFORMATION

Sample Number	VCP367682	VCP315373	---	---
Sample Date	10 Nov 2022	14 Jul 2021	---	---
Machine Hours	5562	3867	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



ALTA EQUIPMENT CO - ORLAND PARK
 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: DAVE ENG
 DAVE.ENG@ALTG.COM
 T: (312)350-2560
 F:



OIL CONDITION

Visc @ 100°C	cSt	13.1	12.8	---	---
Base Number (BN)	mg KOH/g	8.3	---	---	---
Oxidation (PA)	%	65	84	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.5	0.4	---	---
Nitration (PA)	%	84	59	---	---
Sulfation (PA)	%	59	66	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	4	5	---	---
Sodium	ppm	0	2	---	---
Potassium	ppm	9	1	---	---



WEAR METALS

Iron	ppm	12	5	---	---
Copper	ppm	5	2	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	3	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	59	42	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	<1	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1258	1586	---	---
Magnesium	ppm	827	470	---	---
Zinc	ppm	1268	1054	---	---
Phosphorus	ppm	1010	879	---	---
Barium	ppm	0	0	---	---
Boron	ppm	4	95	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO8885
Unique No: 10216860
Signed: Don Baldrige
Report Date: 15 Nov 2022



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GRAPHS

